



Parcels UC-1 and UC-2 RA



Remedial Action in Parcels UC-1 and UC-2, Hunters Point Naval Shipyard

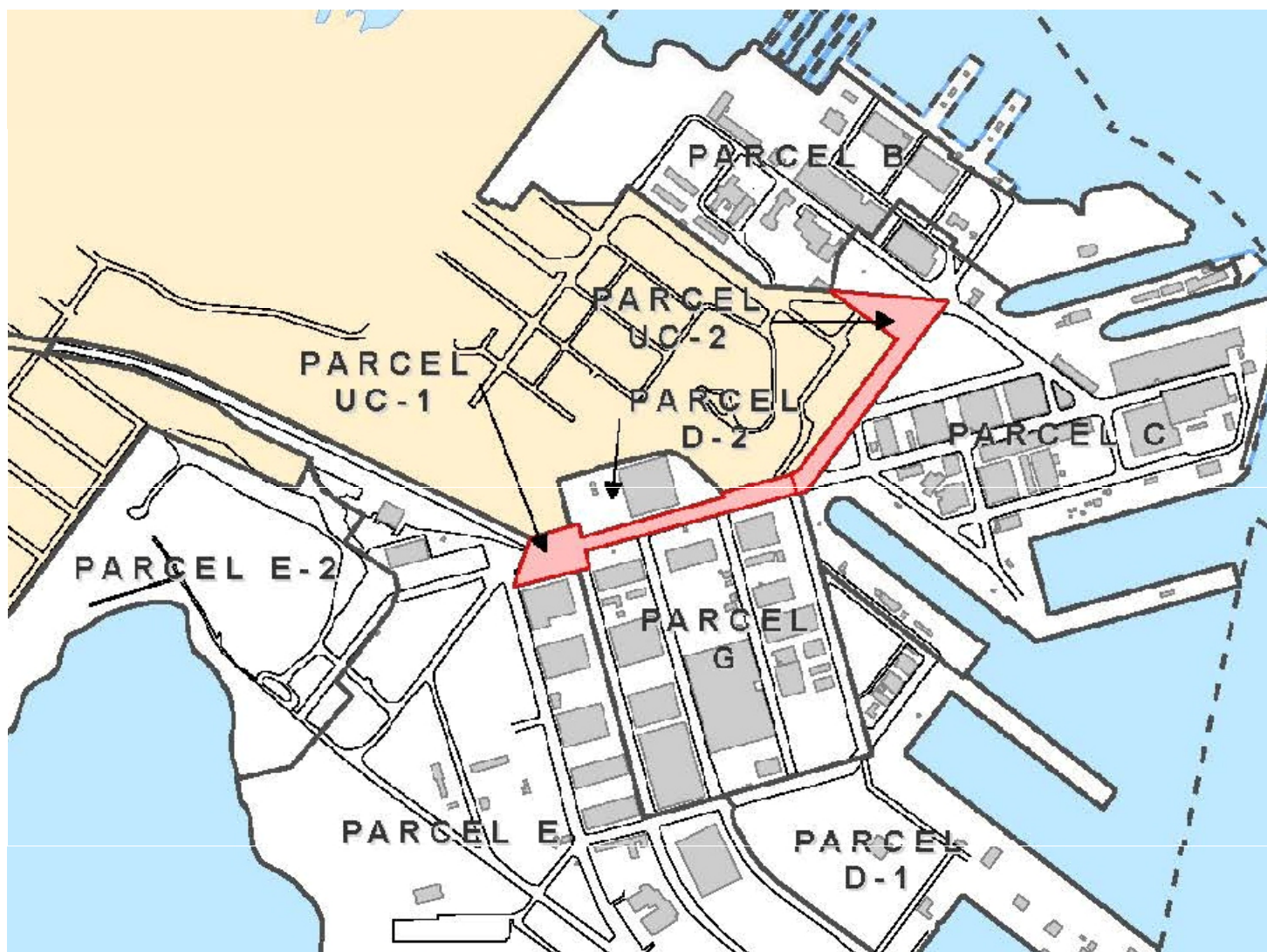


June 28, 2012

Hunters Point Naval Shipyard BCT Meeting



Parcel Map



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Presentation Overview



- Remedial Action (RA) Overview
- Summary of RA Design Components
- RA Schedule Update
- RA Implementation Update
- RA Photos



RA Overview



- The objective of the Remedial Action is to prevent exposure to potentially contaminated soil.
- Durable cover is the selected remedy, which includes:
 - new vegetated soil
 - new or repaired asphaltic concrete (AC) pavement
 - inspecting and/or repairing building foundations



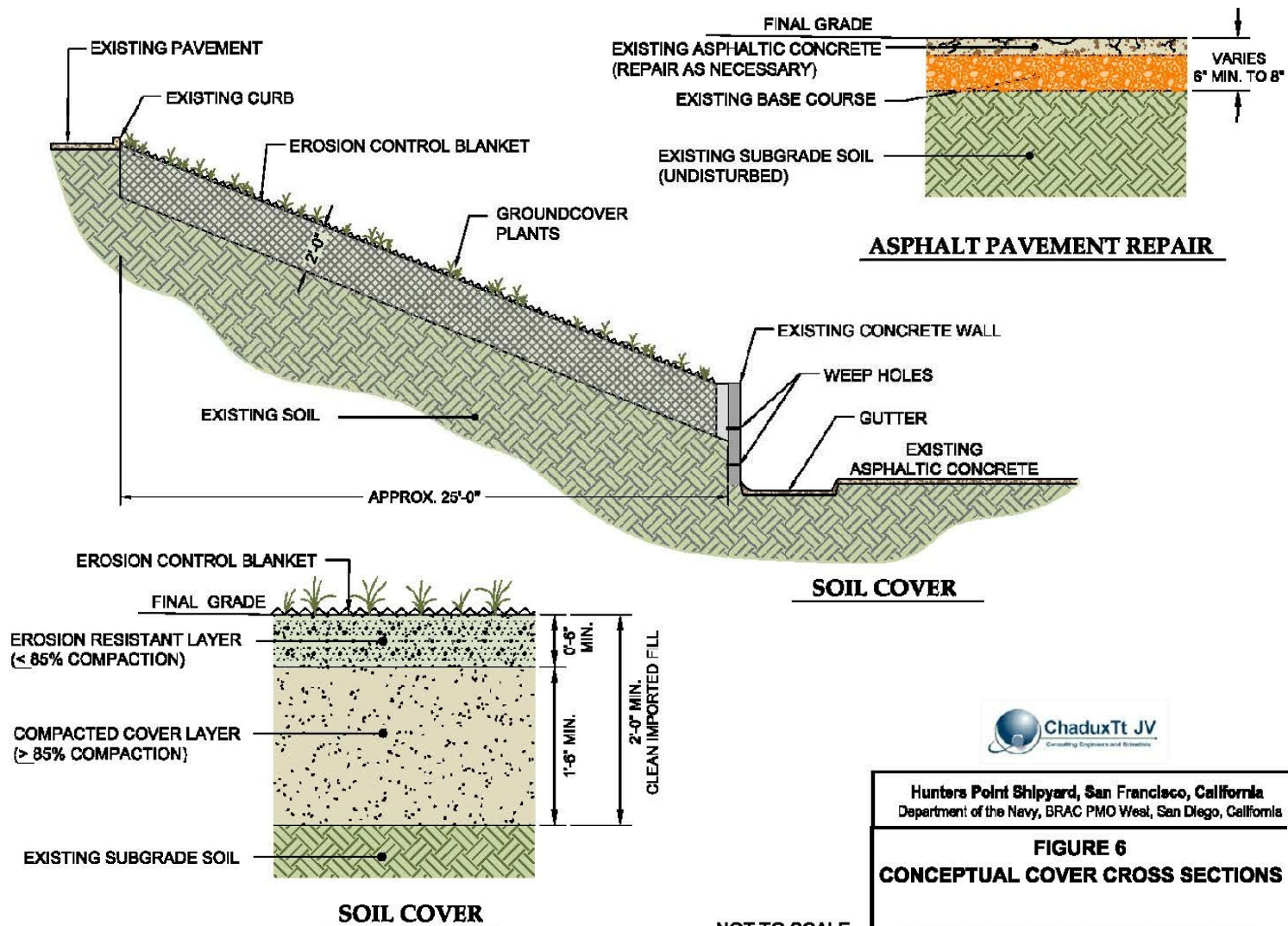
Summary of RA Design Components



- Soil Cover
 - 2-foot thick layer of clean imported soil vegetated with native plant species – beach strawberry, California poppy, and many-colored lupine
- Asphalt Cover
 - asphaltic concrete (AC) repair (crack filling, overlay, grind and pave)
 - AC replacement (4-inches aggregate base and 2-inches of AC)
 - Subgrade restoration and AC replacement
- Building Foundations
 - Foundations of existing buildings will be repaired, as necessary. Three buildings (819, 823, and security guard station) will be inspected for cracks larger than a ¼" and patched with portland cement.



Durable Covers – Schematic Sections



Hunters Point Shipyard, San Francisco, California
Department of the Navy, BRAC PMO West, San Diego, California

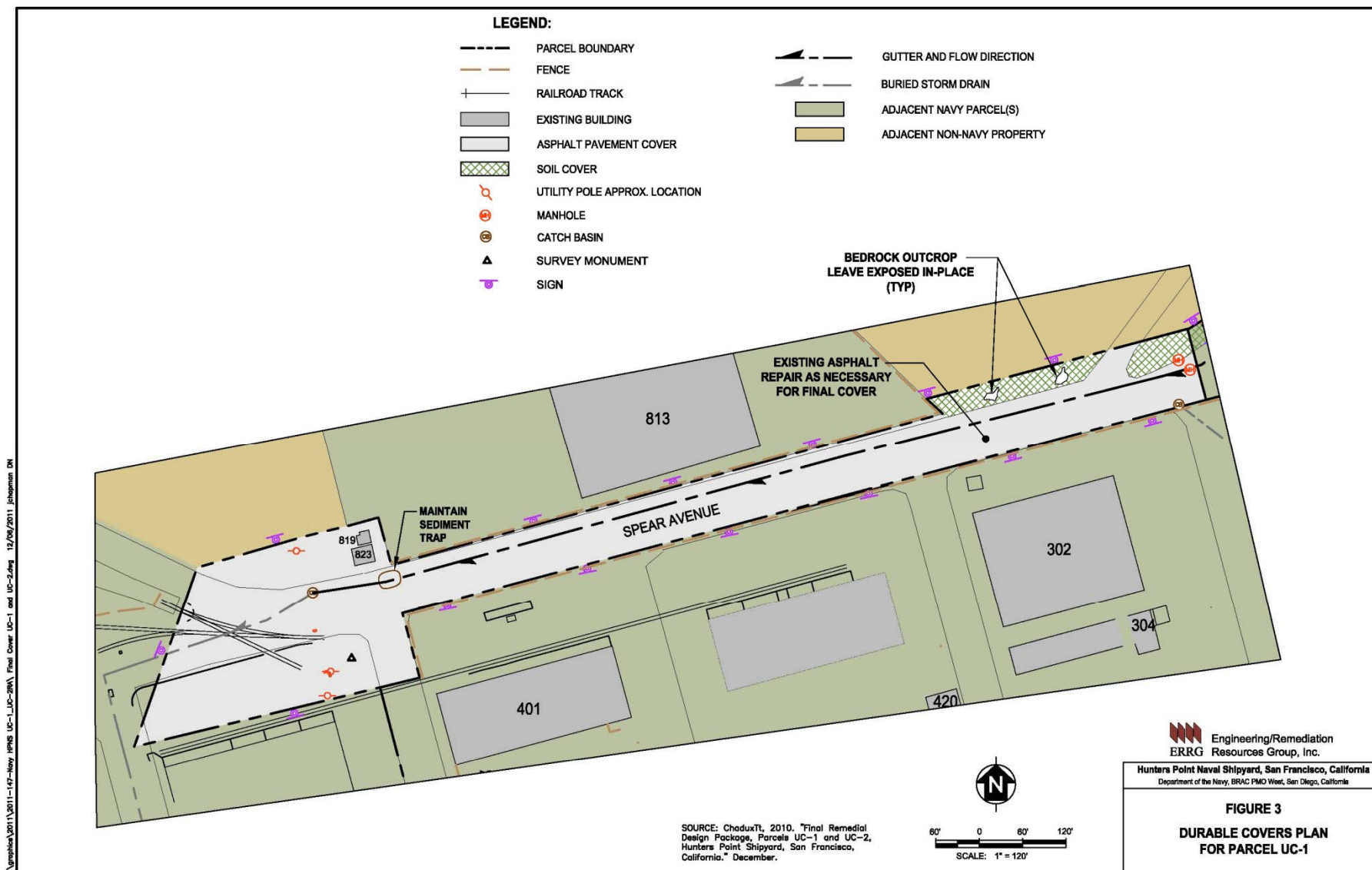
FIGURE 6
CONCEPTUAL COVER CROSS SECTIONS

NOT TO SCALE

Design Basis Report for Peralis LIC-1 and LIC-2



Durable Covers – UC-1





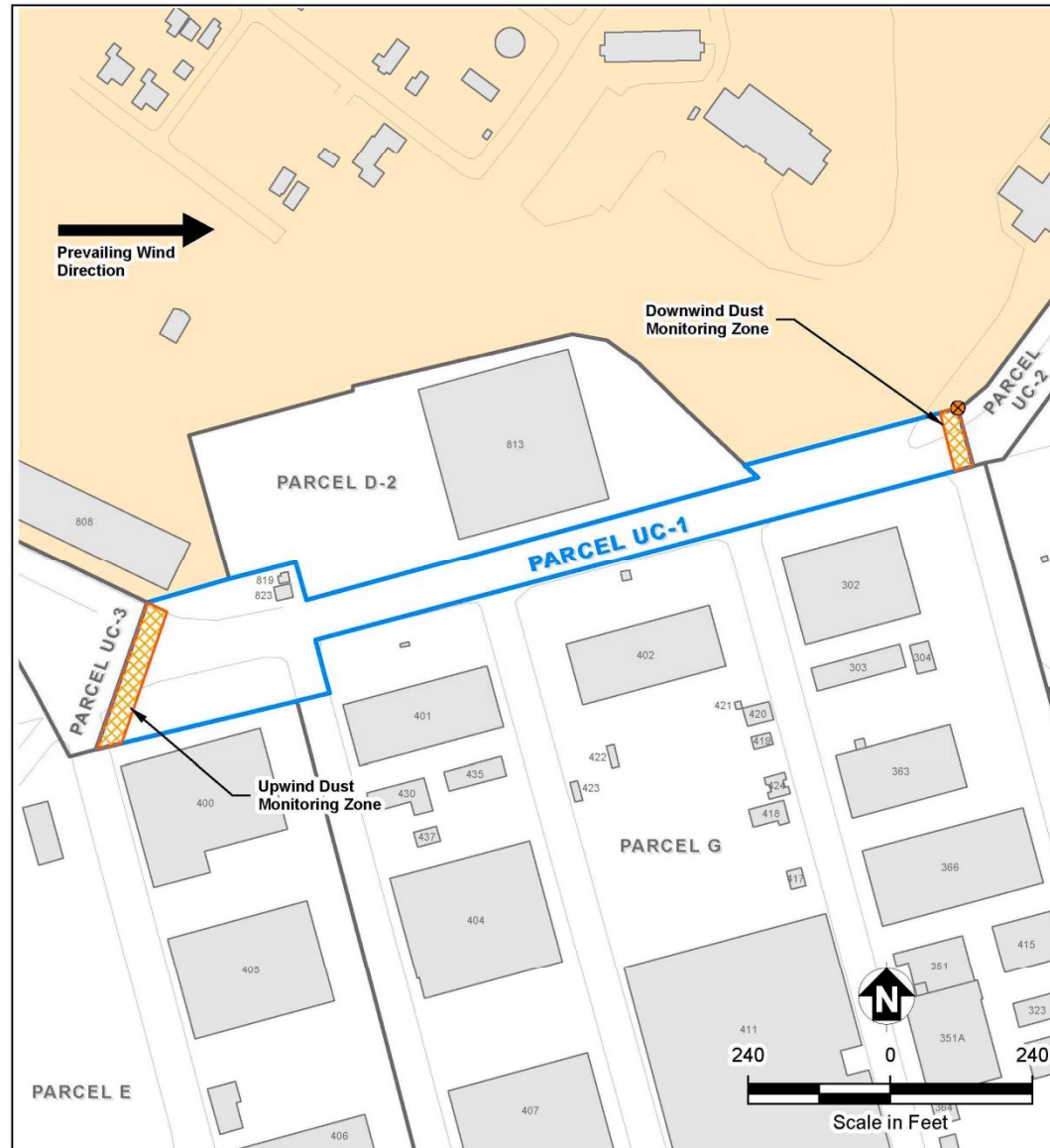
RA Implementation Update



- Mobilization and site preparation included establishment of traffic detours, perimeter fence, support zones, soil stockpile management areas, SWPPP BMPs, sanitary and safety facilities, and air monitoring stations. Air monitors are operated every work day (24 hrs/day) at both upwind and downwind locations.
- Following site preparation, a complete pre-construction land survey and utility survey was performed to establish existing grades and site features, and to identify site utilities.
- Clearing and grubbing removed site debris, ground vegetation, and trees.
- Two-foot soil excavation was performed over 20 days.
 - Grades checked by survey and manual transect measurements to verify excavation depths.
 - Bedrock encountered in multiple areas along slope. Bedrock areas were mapped. Cover thickness will be reduced (<2 feet) in those areas.
- Soil cover installation is in progress; expected to be completed in mid-July.

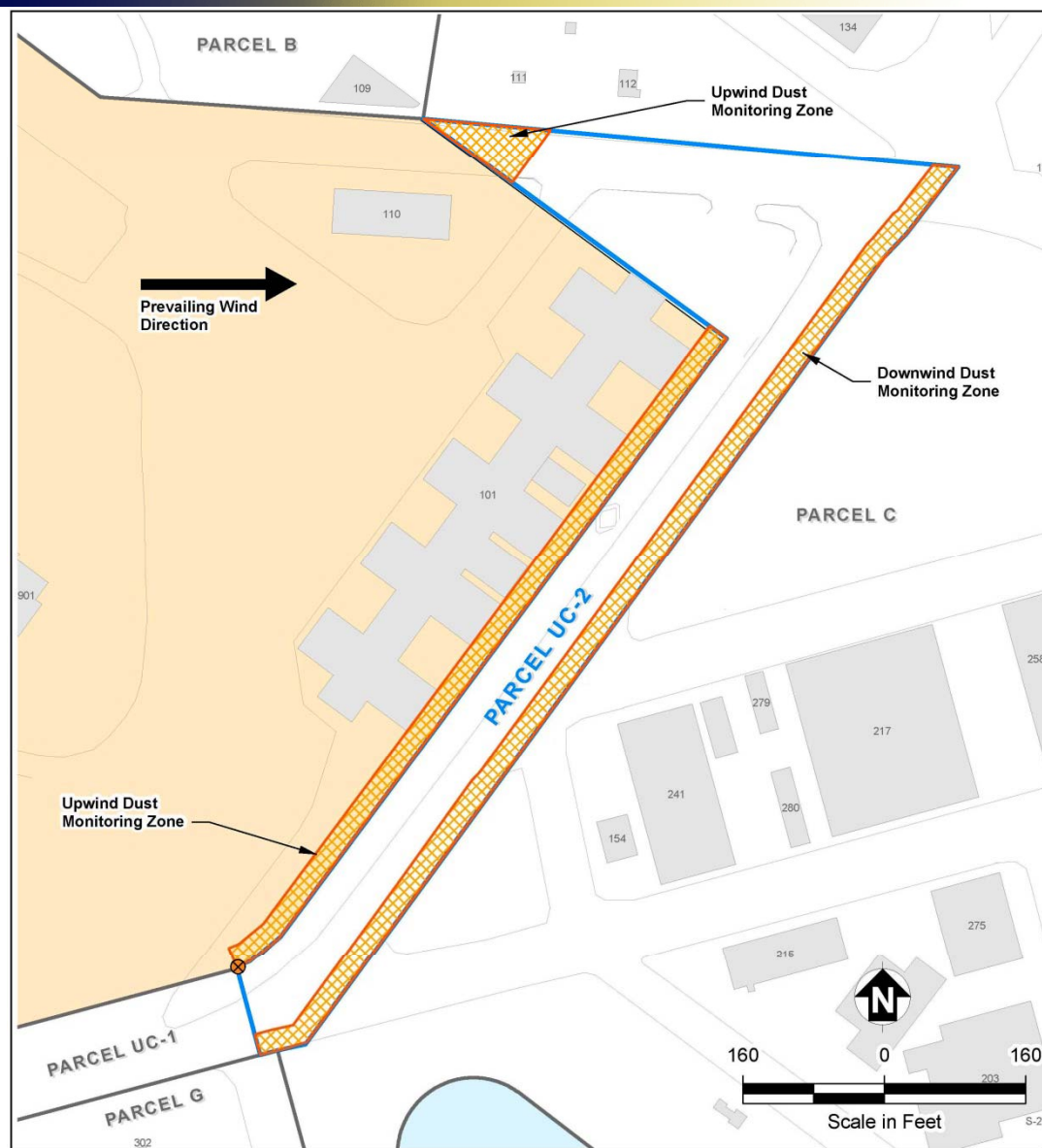


Air Monitoring Locations – UC-1





Air Monitoring Locations – UC-2





Air Monitoring Station in Operation



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Clearing and Grubbing



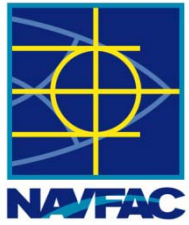
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Tree Removal



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Excavation of Vegetated Slope



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Excavation of Slope



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Excavation Intersecting Bedrock



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Excavation of Slope Near Occupied Building 101





Checking Grades to Verify Excavation Depths Achieved



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RA Schedule Update



- Mobilization (completed): May 14
- Clearing and Grubbing (completed): May 16 – Jun 11
- Soil Excavation (completed): Jun 6 – Jun 26
- Soil Cover Installation (in progress): Jun 25 – Jul 11
- Installation of Erosion Controls & Vegetation: Jul 2 – Jul 27
- AC Restoration and Replacement: Jul 12 – Jul 27
- Site Cleanup, Final Survey, and Demobilization: Jul 27 – Aug 13

- One year of O&M following RA completion Aug 2012 – Aug 2013
 - Vegetation establishment
 - Site inspections
 - Periodic pavement repair/maintenance